

**Abstract of the Disclosure**

A level control system for controlling the thickness of a work material in a slurry form cast upon a moving belt includes a fluid reservoir disposed above the belt, a sensor lens assembly for sensing the slurry height within such reservoir, and a control valve for adding slurry to the reservoir. A lens disposed near the moving belt and above the reservoir is coupled by fiber optics to a remote sensor amplifier for detecting the height of the slurry. A control circuit responsive to the light sensor regulates the flow rate of the slurry through the control valve.